



THE OFFICIAL STARSHIPS COLLECTION



ROMULAN
SCIENCE VESSEL

LAUNCHED: 24th C

CREW: 100

LENGTH: 300 METERS

ROMULAN

Contents

P04: ROMULAN SCIENCE VESSEL

P10: CREATING THE SHIP

P12: RICK STERNBACH ON ROMULAN VESSELS

P18: ON SCREEN

Stand assembly:



ORDER ONLINE

Order binders, missing issues or other Eaglemoss products at:

www.mycollectionshop.com



EAGLEMOSS

Eaglemoss Ltd. 2018 1st Floor, Kensington Village, Avonmore Road, W14 8TS, London, UK. All rights reserved.

M & © 2018 CBS Studios Inc. © 2018 Paramount Pictures Corp. STAR TREK and related marks and logos are trademarks of CBS Studios Inc. All Rights Reserved.

Development Direct Maggie Calmels

STAR TREK – The Official Starships Collection is published fortnightly.

DON'T MISS AN ISSUE: place a regular order with your magazine retailer.

Subscribe and receive excusive free gins www.starfek-starships.com Call 0344 493 6091 Post the subscription form included with issues 1 to 5

BACK ISSUES

To order back issues: Order online at www.startrek-starships.com or call 0344 493 6091

UK distributor: COMAG Magazine Marketing



CUSTOMER SERVICES: www.startrek-starships.co

UK: 0344 493 6091

startrek-ship@eaglemoss-service.con

Australia: (03) 9872 4000 bissett@bissettmags.com.au

New Zealand: (09) 308 2871 Fax: (09) 302 7661 subs@ndc.co.nz

South Africa: (011) 265 4307 service@jacklin.co.za

Malaysia: (03) 8020 7112 sales@allscript.com

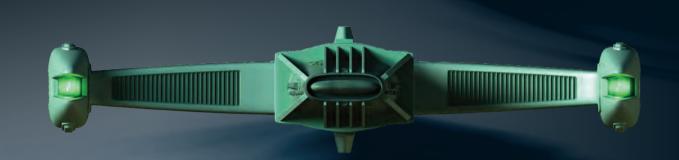
Singapore: (65) 6287 7090 sales@allscript.com

OVERSEAS BACK ISSUES
Place your order with your local magazine retailer.

Recommended age 14+.
Warning! Collectable models.
Not designed or intended for play by children.
Do not dispose of in domestic waste.

ROMULAN SCIENCE VESSEL

SPECIFICATION



OPERATED BY:

ROMULAN STAR EMPIRE

TYPE:

SCIENCE SHIP

IN OPERATION:

24th CENTURY

LENGTH:

300 METERS (APPROX.)

CREW:

100 METERS (APPROX.)

TOP SPEED:

WARP 9

WEAPONRY:

DISRUPTOR CANNONS



▼ The Romulan science ship shared many design characteristics with other Romulan vessels of the era. It had a predatory bird-like appearance, and the familiar dark green paint scheme. The head section of the science ship was its most obvious identifying feature, as it differed from the helmet-shaped head that was common to most other Romulan vessels of the time.

> The Romulan science vessel was used by the Romulan Star Empire in the mid-24th century to carry out scientific research missions, and to test experimental technologies.

It looked very similar to a Romulan scout ship, but was considerably larger. Whereas the scout ship was approximately 90 meters in length and had a standard crew of about six, the science vessel was roughly 300 meters in length with a crew complement of around 100.

As with other Romulan vessels of this era, the science vessel was armed with disruptors and defensive shields. It was also capable of warp powered flight, and its top speed was probably

In 2368, the crew of the U.S.S. Enterprise NCC-1701-D came to the aid of a Romulan science vessel after receiving a garbled distress call. They found that the Romulan ship had suffered an explosion that had left main power failing and a warp core breach imminent. Some of the crew had already died in the blast, leaving just 73 Romulans alive.

HEAVILY DAMAGED .

When an away team beamed over to the engineering section of the science vessel, they found it in a state of disarray. Emergency bulkheads had engaged and cut off access to the bridge and the other control centers. Most of the

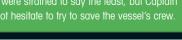
DATA FEED

Romulans had a superiority complex. According to Miles O'Brien, the Romulans claimed to have invented all pieces of technology in existence before every other species.

ROMULAN SCIENCE VESSEI

A STATE

A Romulan science vessel of the mid-24th century was used to test a new interphase cloaking device.



SHIP PROFILE SCIENCE VESSEL OVERVIEW



■ The Romulan science vessel had feather-like etchings on its hull, and small inset areas cut into the top of the wings. These revealed complex systems, which could have been sensor or communication systems.

➤ With just seconds to spare, the away team managed to manually eject the unstable warp core out of a hatch behind the head of the vessel. It then exploded harmlessly in space.







▶ The Romulans graviton field generator had depolarized in the initial explosion. It could not be repaired, so La Forge and Ro tried to beam back to the Enterprise-D with it. Unfortunately, leaking chroniton particles mixed with the transporter beam caused them to disappear when they became out of phase with normal matter.



After the science ship had jettisoned its warp core, it was without power, so the Enterprise-D supplied it with energy through a power transfer beam. The Romulans then attempted to stop the Starfleet crew from discovering their interphase technology by sending muons back up the transfer beam.



▲ While La Forge was out of phase with normal matter, he was able to push his body through normally solid objects. He used this ability to look inside a console on the Romulan ship, where he discovered the prototype molecular phase inverter.

▲ An away team found that the science vessel had suffered a forced chamber explosion in its resonator coil, which had caused massive damage. Commander Riker worked with Mirok and Varel, the two most senior members of the surviving crew, to repair the vessel.

conduits had been damaged, replicators were off-line and the central computer had shut down.

The away team found that the Romulan ship's graviton field generator had depolarized. It could not be fixed and needed to be replaced, otherwise the warp core would breach.

When Lieutenant Geordi La Forge and Ensign Ro Laren attempted to beam back to the Enterprise-D with the graviton field generator in order to replicate it, they were lost during the transporter cycle and presumed dead.

The crisis on the science vessel was still not over, and to prevent it from exploding, the warp core had to be manually jettisoned from the mid-dorsal section of the ship.

It transpired that the science ship was testing an experimental interphase cloaking device. This

new invention combined a cloaking device with a phase inverter. In theory, it could change the structure of matter so that it could pass through 'normal' matter and energy. Thus, a Romulan ship fitted with such a device could hide anywhere – even inside a planet – and conventional weapons would be useless against it.

SECRET TECHNOLOGY

In this instance, something had obviously gone wrong with the experimental technology and caused the explosion. Despite the Enterprise-D saving the science ship, the Romulans did not want to reveal what they had been doing.

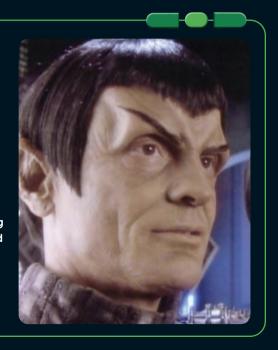
Mirok, who had taken command of the ship, ordered the crew to set up a muon feedback wave in the power transfer beam his ship was receiving from the *Enterprise*-D. This would cause muons to accumulate in the dilithium chamber of the Enterprise-D, and cause it to explode when warp power was engaged.

Fortunately, this was stopped by La Forge and Ro, who were not dead. They had been sent out of phase with normal space when the chroniton particles generated by the experimental device combined with the transporter in an unexpected way. They managed to cancel out the phase and restore themselves to normal by manipulating Data into flooding an area of the Enterprise-D they were in with high-intensity anyon particles.

Once they had rematerialized back into normal space, they were able to warn their crewmates about the sabotage, but by this time the Romulan science vessel had already left the area.

DATA FEED

Mirok was the science officer of the Romulan vessel. He took command of the ship after his captain was killed in the initial blast that was caused by a malfunction in the experimental molecular phase inverter. Mirok was grateful for the help from the Enterprise-D, and saving the remaining crew. This did not stop him from plotting to destroy his saviors, as he did not want them to know about their interphasic cloaking device.



SCIENCE VES

SCIENCE VESSEL OVERVIEW

7

The engineering room on the Romulan science vessel appeared to be located towards the rear of the head section. It contained several consoles, including one that housed the prototype molecular phase inverter, plus numerous display screens set into the walls.

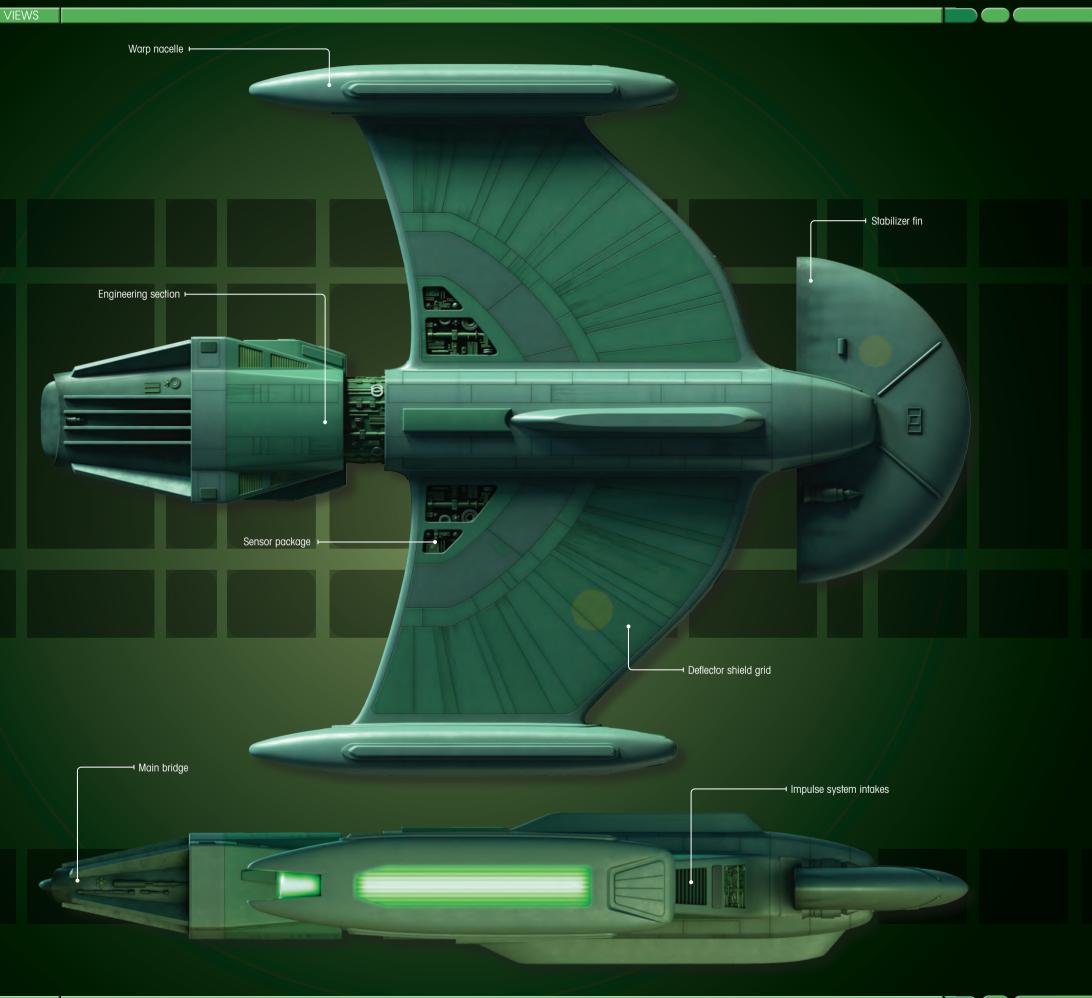
The warp core was located in a smaller chamber just off the main engineering room. In order to manually eject the core, two handles embedded in the floor had to be raised and then turned. This allowed the warp core to be disengaged from its housing, but to jettison it into space, the door to the chamber had to be closed. A structural beam had collapsed in the initial explosion and blocked the door. Lt. Worf and another officer struggled to clear the debris, but Lt. Commander Data was able to use his android strength to move the beam and then pull the blast doors together. This allowed the warp core to be shot into space, and it exploded a short distance away from the ship.



▲ A support beam had collapsed in the engineering section and blocked the door leading to the warp core chamber. Worf struggled to move it, but Data was able to help and then seal the chamber.

DATA FEED

According to Geordi La Forge, in the early 2360s the Klingons had also tried to develop a similar interphase generator cloaking technology to that being used on the Romulan science vessel. The Klingons were forced to abandon their research into the technology after several accidents. It appeared that the Romulans also gave up on the technology after this failure, as there were no further mentions of them using it.



SECRET UNEARTHED

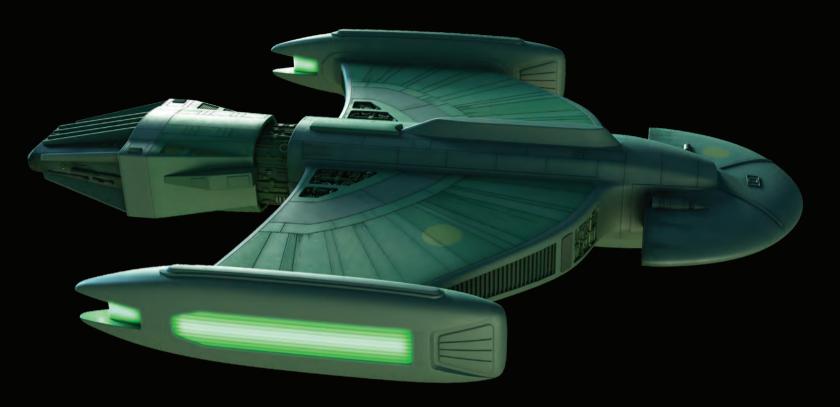
In 2370, it was a secret phase cloaking device. It had been fitted NCC-53847 in 2358, the ship became stuck

ROMULAN UNITS

units of pressure in melakols, and units of energy, or power flow, in kolems. It took 400 kolems of power to restore the science

TIME AND SPACE

The *U.S.S. Voyager* with the Alpha Quadrant. Dr. Telek R'Mor, but it from 20 years in the past.



CREATING THE

ROMULAN SCIENCE VESSEL

The Romulan science vessel was an adaptation of a Romulan scout ship that had been designed by Rick Sternbach for an earlier episode.

hen a Romulan science vessel was needed for the STAR TREK: THE NEXT GENERATION episode 'The Next Phase,' the producers decided it would be better to adapt an existing studio model rather than go to the expense of building an entirely new one.

Fortunately, they already had a suitable Romulan model that could be easily altered to fulfil their needs. This was the Romulan scout ship that had originally appeared in the episode 'The Defector,' and had not been seen since.

Senior illustrator Rick Sternbach had originally come up with the design for the Romulan scout ship, which was intended to be a fairly small ship, with a crew of no more than half a dozen. The final

look of the ship had a distinctly birdlike shape, as he tried to echo the shapes that had been established for the Romulan Warbird. The head of the ship and the hull plating, in particular, were designed to be reminiscent of other Romulan ships, emphasizing their distinctive architectural style.

HEAD SWAP

Sternbach also intended for the head of the ship, which contained the bridge, to be ejectable, so it could be used as an escape pod in an emergency. This feature proved important when modifying it into a science vessel, as the head section looked like a distinctive module that could be removed. In fact, that was precisely what they

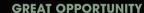
▲ The Romulan science vessel was created fairly easily by changing the head section of the existing Romulan scout ship, and adding a semicircular piece to the tail.



▲ The model started off as the Romulan scout ship, which had featured in the earlier Season Two episode 'The Defector.'

did at Greg Jein Inc, the model workshop where the alterations were made.

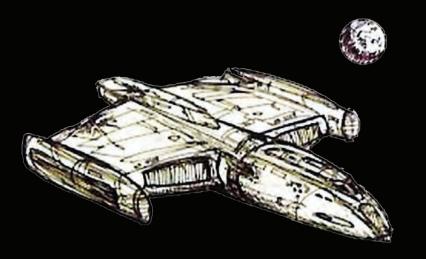
Once the original pointed head had been removed, the people at Greg Jein's workshop searched through their drawers of spare parts until they found a blunt diamond-shaped piece that looked like it had been made to fit. They also added a flat semi-circular piece to the tail of the vessel, but kept the main body and wings the same. They finally repainted the model a slightly lighter shade of green to complete the transformation from scout ship to science vessel.

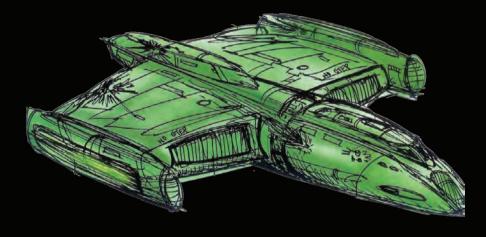


The same studio model was reused again to depict the *Nerada*, a Nasari starship, in the *STAR TREK:*VOYAGER third season episode 'Favorite Son.' This time, no modifications were made to the shape of



▲ After its outing as the Romulan science vessel, the studio model was repainted and used as a Nasari starship in STAR TREK: VOYAGER.





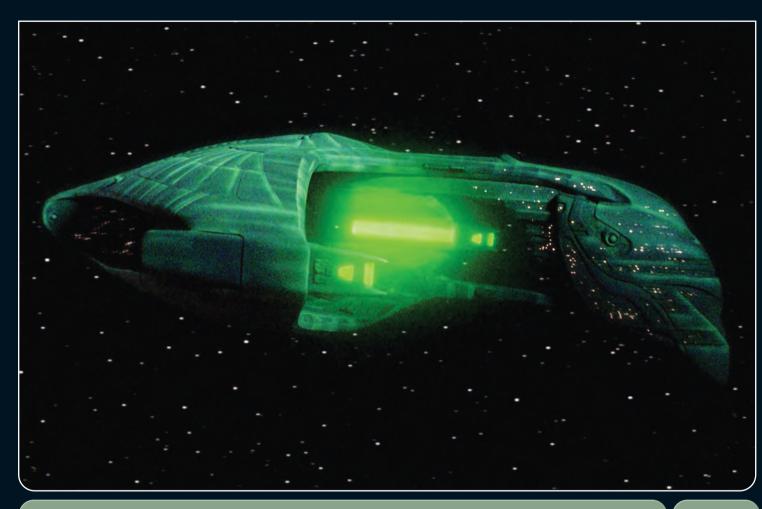




the vessel, but it was given a new bronze paint scheme at Brazil-Fabrication & Design, the workshop run by Tony Meininger. The only other change was that the flight direction was reversed, so that the semi-circular module was now the front of the ship.

The model was sold in this configuration at Christies '40 Years of *STAR TREK*: The Collection' auction for \$6,600.

▲ These sketches show Rick Sternbach's design for the Romulan scout ship. He was not asked to modify the concept to transform it into the Romulan science vessel. Instead, Greg Jein's workshop was left to make suitable alterations to the studio model.



RICK STERNBACH ON

ROMULAN VESSELS

STAR TREK illustrator and scientific expert Rick Sternbach writes up a Starfleet-style technical report on the history of Romulan starships.

▲ The D'deridex-class Warbird, which made up the majority of the Romulan fleet in the 24t century, was one of a long line of Romulan vessels that dated back thousands of years.

eaders of this report should note that intelligence on Romulan propulsion systems remains incomplete. Starfleet has never recovered an intact Romulan vessel, and intelligence gathering by Starfleet operatives on Romulus is notoriously unreliable. Information was gathered during the Dominion War during joint operations, but even then Romulan forces were extremely careful to restrict Starfleet access to their ships and their associated technologies.

Accordingly, much of the information that follows is based on the first-hand observations of relatively

few Starfleet officers, and the extrapolated conclusions drawn by the Starfleet Intelligence Technology Division.

VULCAN SPLIT

No discussion of the interplanetary or interstellar capabilities of the Romulan Star Empire can be attempted without the surrounding historical context. It is known that ancient Vulcans possessed the technology needed for interstellar travel by the time their warlike period ended, approximately 2,500 years ago. The changes in Vulcan society



▲ The first Romulan vessel Starfleet encountered was a Bird-of-Prey, which was equipped with a primitive cloaking device and technology that reflected sensors.

ultimately led to the Vulcan-Romulan schism and the departure of the faction that would found a new society on Romulus.

JOURNEY TO ROMULUS

Federation historians believe that sublight travel had progressed enough by the 5th century to allow generational ships to reach the planet that would become known as Romulus, some 74 light-years away. The journey could have taken 90-180 years depending on the average fraction of c (speed of light) reached.

The bare minimum hardware requirements for a successful one-way colony ship would have

been a primary impulse thrust chamber and MHD (magnetohydrodynamic) energy tap to generate electrical power. Smaller versions of the impulse engine, whether fission or fusion, could have driven landing craft and shuttles.

EARLY TECHNOLOGY

Analysis of translations dating to 1420 A.D. suggest that each of the original Romulan colony vessels may have been powered by laser fusion of cryogenic deuterium. No image of the exact configuration exists, though legend alludes to a set of six chambers mounted on pylons just aft of the hull mid-point.



▲ By 2266 the Romulans had improved the design of their cloaking device, and used a new prototype Bird-of-Prey to mount an assault on Federation outposts.



▲ In the 4th century, a group of Vulcans left their homeworld in sublight generational ships. Their odyssey lasted for centuries, and in that time they traveled about 74 light years before settling on the second planet of what became known as the Romulan system.

Preserved 'primitive' ships from recent Romulan history consist of a mere handful from the last 300 years, but the technological record can be pieced together for nearly one thousand years. This record has allowed Starfleet to assemble a Romulan propulsion system lineage, helpful in assessing current and future developments.

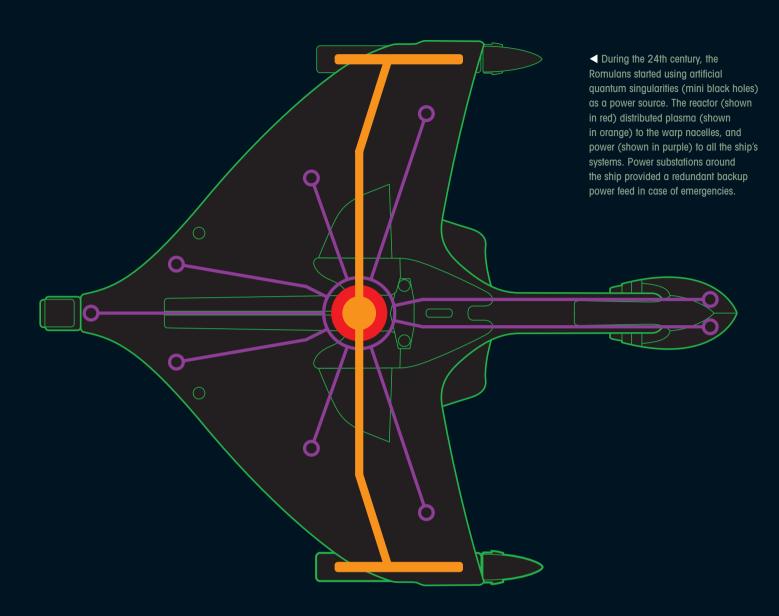
TECHNOLOGICAL EVOLUTION

Between 200 A.D and 1380 A.D., stories tell of at least three major crises in Romulan culture that halted major space flights for a period of 450 years. This is not to say that the Romulans were idle. History has shown that regardless of conflict or self-imposed isolation, Romulan science moved forward. Theoretical work continued unabated and actual hardware was developed when conditions permitted. Following each collapse of infrastructure, they retained enough knowledge to pursue interplanetary flight with fusion thrust and, once they had first achieved it, climb back up to warp flight. Eighteen centuries of innovation, however discontinuous, resulted in the following warp schemes:

- 1. Laser Fusion to Electrodynamic Force. This is the original power source, not simply vented but used to energize shaped bars of cobalt n'garbemide, which performed the continuum distortion and drove the ship forward.
- 2. Enhanced Fusion. As before, with the injection of tritium or other isotopes to increase power.

- 3. Antimatter-Enhanced Fusion. Minute amounts of anti-deuterium were added to the reaction for increased energy output.
- 4. Fusion to Warp. The actual walls of the fusion chamber became warp coils, eliminating the need for power conduits. The chambers were elongated fore-aft along the flight direction.
- 5. Directed Power to Warp Coils. A centralized antimatter fusion reactor radiated microwave power through vacuum conduits to the warp coils.
- 6. Matter-Antimatter Plasma to Warp Coils. The familiar high-energy reaction delivered energized plasma to the warp coils.





It was perhaps fortunate for Earth that hostilities with the Romulans began in the mid-22nd century when their industry was still recovering from materials shortages and unbalanced distribution of ships and troops. Conflicts with other star systems also took their toll on Romulan resources.

TRAVELING INTO BATTLE

High warp was limited on Romulan ships, and their and weapons, particularly in the use of confined average top speed was just over warp 2. Traveling 25 light years to reach the front lines, including sublight maintenance periods, could take eight weeks. For most of the war, Romulan Bird-of-Prey cruisers were transported to battle by a single warp carrier core. Augmented with atomic fission warheads and a rudimentary cloaking device, the Bird-of-Prey proved a highly maneuverable and

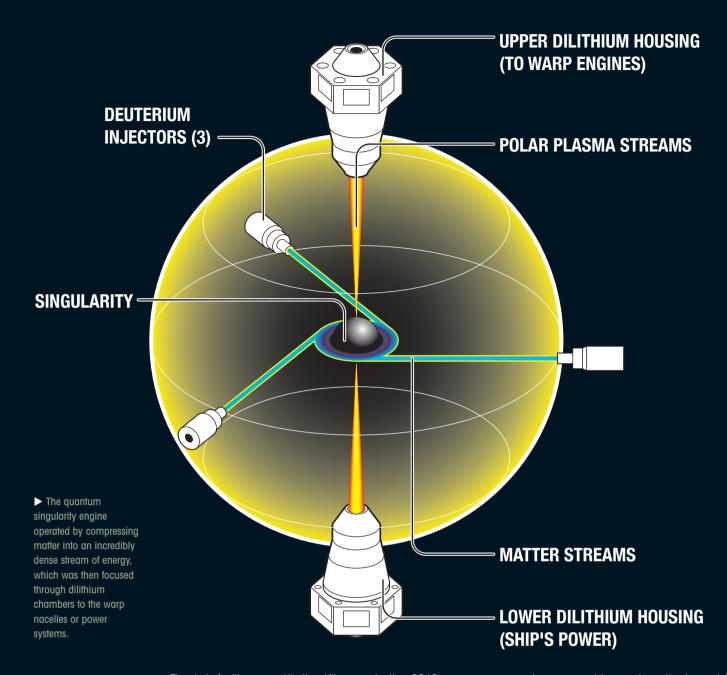
effective foe. The carrier, the Romulans' best means of returning home, usually secreted itself on an airless moon or asteroid.

UPGRADES

Between 2160 and 2270 variants of the Bird-of-Prey saw the development of improved warp engines and improvements to both cloaking technology plasma torpedoes. Significant advances in cloaking technology were made in the mid-23rd century, but the power requirements of this model of cloaking device were so great that it could not be used at high warp speeds. A small number of patrol cruisers continued to be deployed from carrier vessels, which were phased out by 2294.

Romulus was a temperate planet, which featured many large bodies of water. The Romulans flourished here and developed warp technology. According to Admiral Dougherty, it was warp drive that turned "a bunch of Romulan thugs into an empire.

TECHNICAL REPORT



The brief alliance with the Klingons in the 2260s and 2270s provided the Romulans with access to Klingon technology, which had a significant affect on Romulan starship design. Engine advances through 2311, just prior to the Tomed Incident, included lighter space-distortion alloys, more efficient plasma conduits and multiple dilithium crystals to control matter-antimatter reactions.

SECRET SYSTEM

Intelligence reports suggested that while Romulan engineers sought to perfect the antimatter engines for their cruisers, cargo vessels and scouts, one heavily-guarded construction yard deep within the empire was devoting considerable

resources to a propulsion system that would not appear for 53 years, but would revolutionize Romulan space flight.

UNEXPLAINED EXPLOSIONS

The development of the new engine progressed through a long period of isolation, punctuated by occasional skirmishes along the Neutral Zone, as well as inexplicable detonations within two lightyears of the Romulan yard. Starfleet sensors detected massive gamma-ray bursts mixed with various proportions of vaporized metals and composites, but analysts could not agree if they were watching weapons tests or accidents. It turned out to be neither.

When the detonations ceased, only the Romulans knew that they had finally created and contained a micro-singularity - a black hole. Suspended within a 2.87 meter reaction chamber by both magnetic and gravitic fields, the singularity could produce energy from literally any matter dropped into it. It possessed the equivalent of 275,000 metric tonnes of mass, contained within LATEST VESSELS a 0.8 cm diameter. The most common fuel remained cryogenic deuterium, known for its ease of handling.

ENORMOUS POWER

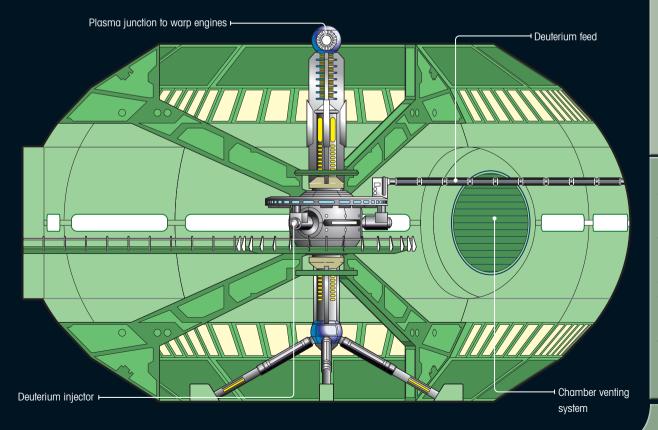
The singularity was kept rotating at nearly 29,000 RPM, with three primary fuel streams fired acceleration and compression of the fuel to near infinite density flared into power conduits, and then to the warp coils. Instabilities in the microblack hole were not uncommon but were usually remedied by throttling back the fuel supply and realigning the magnetic fields.

The reaction chamber was integrated with the massive new Warbird *D'deridex*, a 1,041 meter long vessel that dwarfed Starfleet's Galaxy class and signaled the end of Romulan isolation.

The Warbird remained in service late into the 24th century, having accumulated nine years of development and sixteen years of deployment. Three known shipyards produce the vessel and basic engine hardware. One laboratory, location now unknown, produces the singularities.

Recently, a new class of Warbird has emerged, also utilizing singularity power generation. The Valdore is a prime example, first detected under construction by Starfleet in 2373. At 1,280 meters it continues the trend of large vessels capable of moving 1,000+ personnel and 200,000+ metric tonnes of cargo. The outboard plan exhibits tangentially to its 'equator.' Energy created by the familiar nacelles and presumably wing-embedded plasma conduits.

> Of particular interest to Starfleet is the related Reman vessel, the Scimitar, destroyed in battle with the U.S.S. Enterprise NCC-1701-E in 2378. Reports that three armored singularity drives were recovered by Romulan forces are still being investigated. Whether the Romulans adapt Reman ship and weapon research is not known at this time, but as with the activities of all spacefaring neighbors, Starfleet will continue watching.



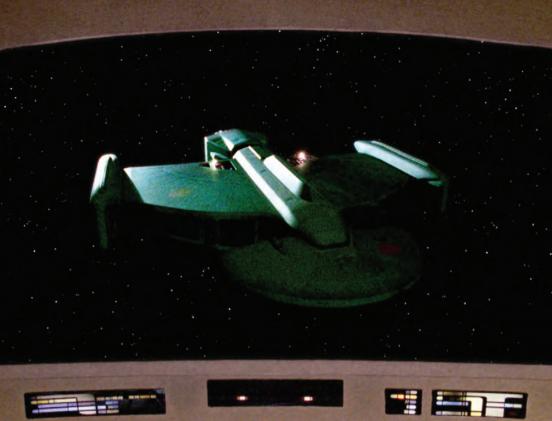
◀ The arrangement of Romulan engines was similar to those on Starfleet ships: a central chamber was fed by matter streams, and power in the form of superheated plasma was then distributed to various systems. The artificial singularity could be accessed from the engineering section exactly like the matterantimatter chamber on a Starfleet vessel.

STAR TREK





ON SCREEN



FIRST APPEARANCE:

TV APPEARANCE:

STAR TREK: THE NEXT GENERATION

DESIGNED BY:

Rick Sternbach & Grea Jein

KEY APPEARANCES

STAR TREK: THE NEXT GENERATION 'The Next Phase'

The U.S.S. *Enterprise* NCC-1701-D renders assistance to a Romulan science vessel that has suffered an explosion on board, claiming the lives of several of the crew.

An away team beam over to the engineering section, and it is discovered that a warp core breach is imminent unless a particular component can be repaired. The part needs replicating, but when Lt. Commander La Forge and Ensign Ro attempt to beam back with it, a fault occurs with the transport and they fail to rematerialize. When they cannot be found, they are assumed to have died and are declared dead.

In fact, La Forge and Ro did make it back, but no one can see or hear them and they can walk through walls. Ro believes that they have entered an afterlife, but La Forge is sure that there is a more rational explanation.

They soon discover that they are out of phase with normal space due to an experimental device that the Romulans were testing aboard their ship. They also learn that the Romulans have sabotaged the Enterprise, and it will explode if they go to warp. They have to find a way to return to normal space and warn their crewmates, but if that was not hard enough, there's also a phased Romulan out to get them.

TRIVIA

Susanna Thompson, who portrayed the female Romulan officer in 'The Next Phase,' went on to play Jaya in 'Frame of Mind,' Lenara Kahn in the DEEP SPACE NINE episode 'Rejoined' and most notably the Borg Queen on VOYAGER. Meanwhile, Thomas Kopache, who played the Romulan scientist Mirok, went on to appear as seven more characters in the franchise. His most prominent role was as Kira Nerys' father Kira Tabon in on DEEP SPACE NINE.



The other starring Romulan role in 'The Next Phase' came from Brian Cousins. He played the officer that was phased out of normal space and tried to kill La Forge and Ro. Cousins went on to play the Borg named Crosis in 'Descent, Part I & II,' and Paltani in the ENTERPRISE episode 'The Catwalk.'



When it was believed that La Forge and Ro were dead, the crew of the *Enterprise*-D tried to come up with ideas for a fitting memorial service. It was during these discussions that it was revealed that the Bajoran Death Chant traditionally performed at the funeral was over two hours long.

COMING IN ISSUE 124

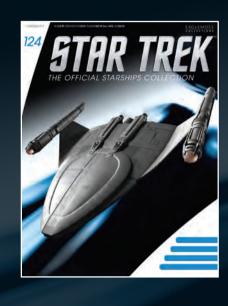
S.S. Emmette



Inside your magazine

• A profile of the S.S. Emmette, a starship

with rocket-style motors seen prior to



EVERY TWO WEEKS AT YOUR RETAILER



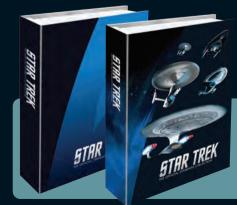
eaglemoss.com/shop

The place to order your STAR TREK ships

 Use the special INTRODUCTORY DISCOUNT CODE STAR10 to get 10% OFF your first online order

 Sign up for the NEWSLETTER to be the first to hear about EXCLUSIVE ONLINE OFFERS

 All orders are delivered direct to your door. ANY DAMAGES REPLACED - NO QUESTIONS ASKED!



BINDERSOrder specially-

designed binders to store your magazines. There are two designs to choose from.



sign up to the newsletter to be the first to know when rare items come back into stock.